

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1212017

Luminaire Tested: **GKO-PB2E-827-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212017
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-827-U-T1
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

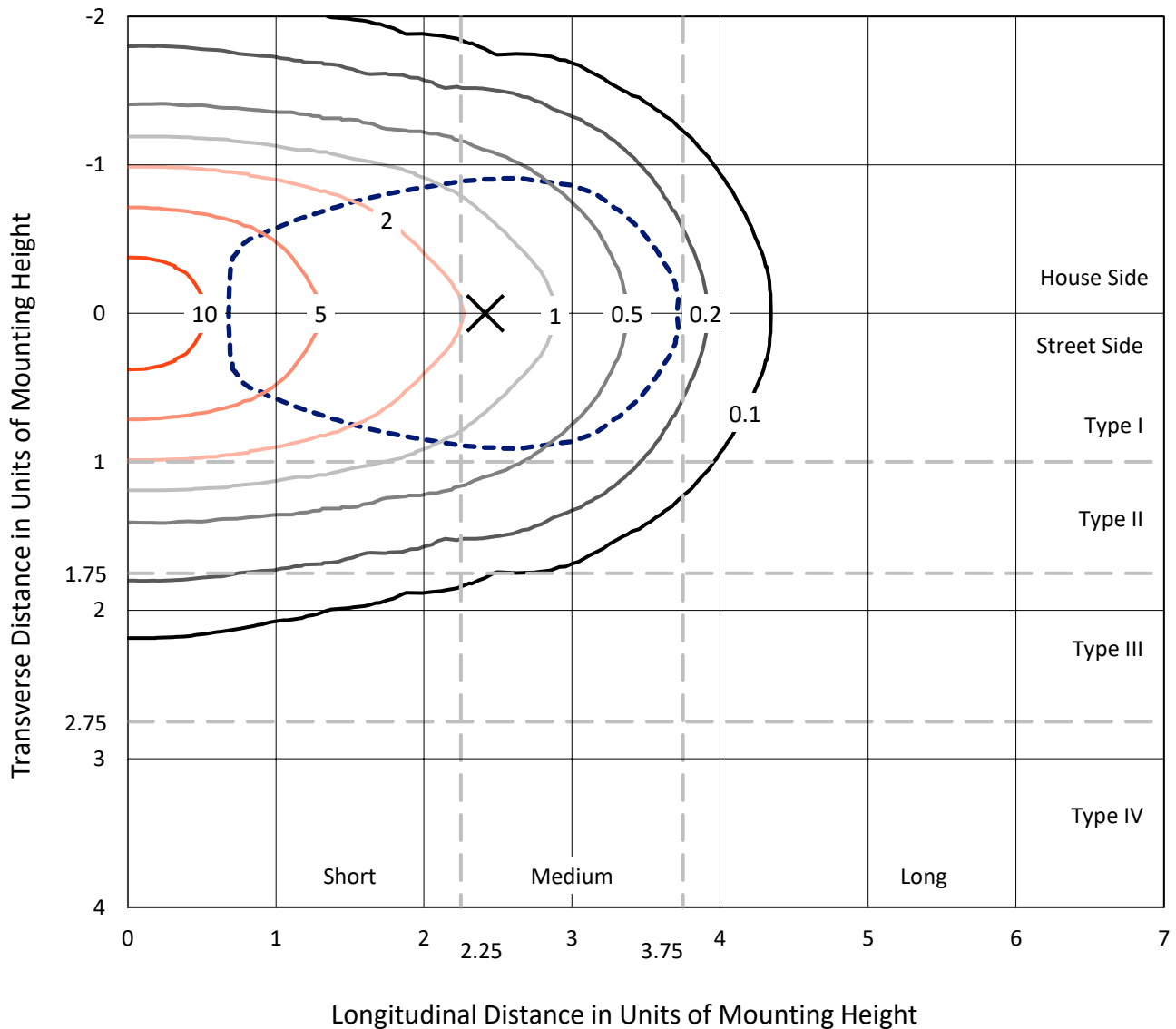
Lumens per Lamp: N/A
Luminaire Lumens: 11421.1 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1212017
 CATALOG NUMBER: GKO-PB2E-827-U-T1

Iso-Footcandle Lines of Horizontal Illumination

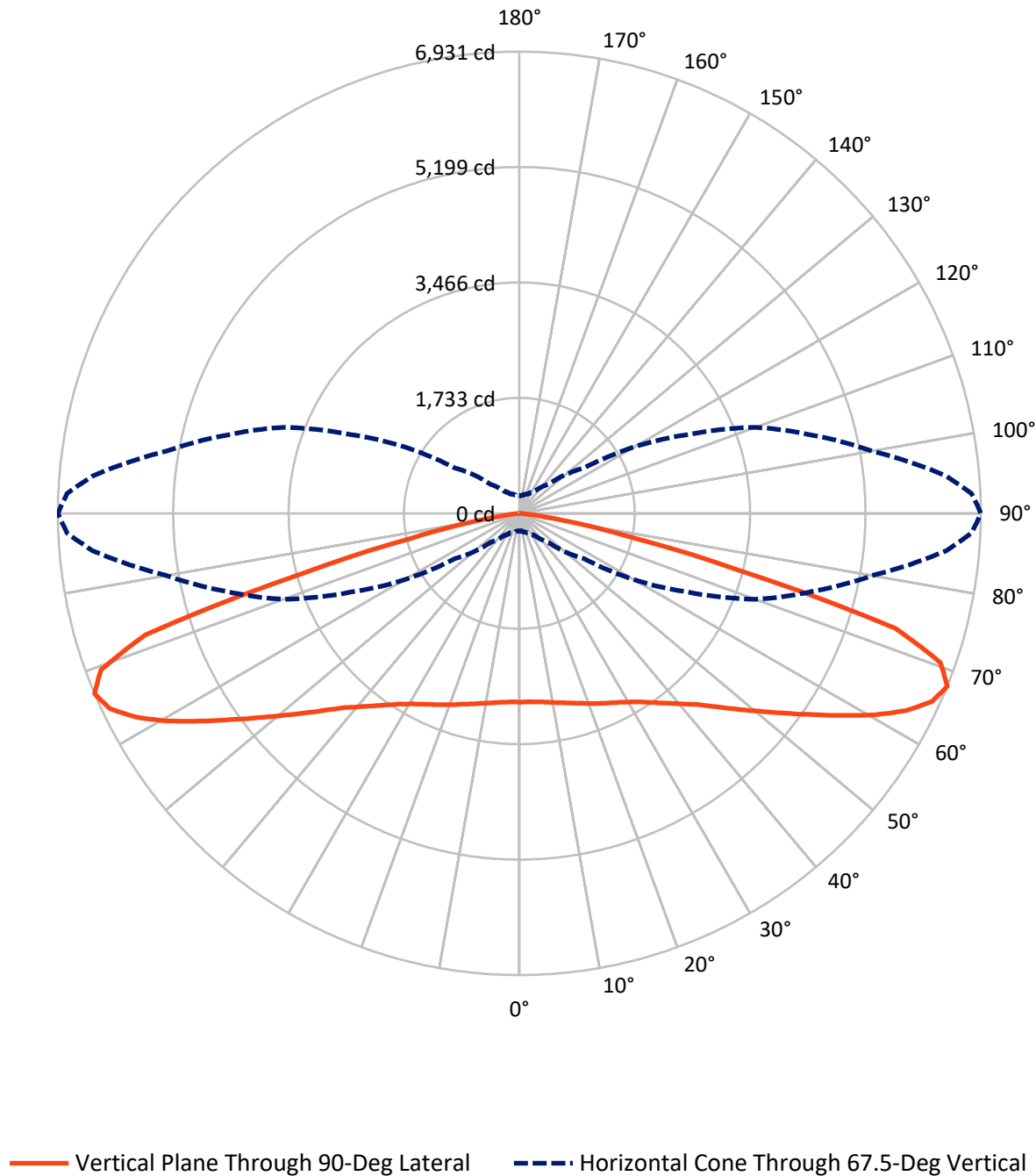
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.6 fc
 Type I - Short - N/A

REPORT NUMBER: P1212017
CATALOG NUMBER: GKO-PB2E-827-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P1212017

CATALOG NUMBER: GKO-PB2E-827-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5710.6	0.0	5710.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5710.6	0.0	5710.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11421.1	0.0	11421.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	2.4
10°-20°	819.1	7.2
20°-30°	1361.9	11.9
30°-40°	1809.3	15.8
40°-50°	2039.7	17.9
50°-60°	2097.5	18.4
60°-70°	1982.1	17.4
70°-80°	970.3	8.5
80°-90°	69.4	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	11421.1	100.0
0°-180°	11421.1	100.0

Coefficient of Utilization



REPORT NUMBER: P1212017

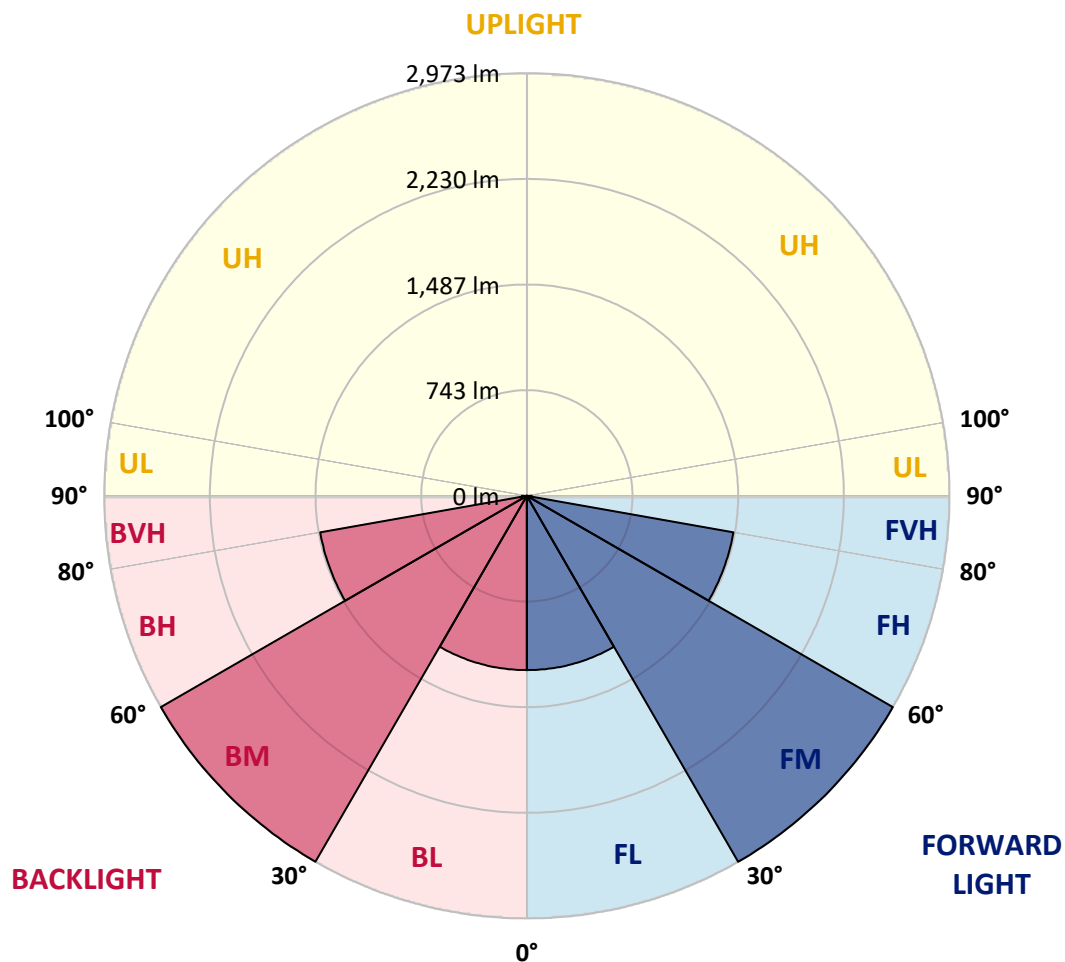
CATALOG NUMBER: GKO-PB2E-827-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1226.4	10.7			
FM	(30°-60°)	2973.2	26.0			
FH	(60°-80°)	1476.2	12.9			G1/1800
FVH	(80°-90°)	34.7	0.3			G1/100
BL	(0°-30°)	1226.4	10.7	B3/2500		
BM	(30°-60°)	2973.2	26.0	B3/5000		
BH	(60°-80°)	1476.2	12.9	B3/2500		G3/2500
BVH	(80°-90°)	34.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



REPORT NUMBER: P1212017

CATALOG NUMBER: GKO-PB2E-827-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	2834.1	2834.1	2834.1	2834.1	2834.1	2834.1	2834.1	2834.1	2834.1	2834.1	2834.1
2.5°	2836.2	2840.4	2831.9	2831.9	2836.2	2838.3	2838.3	2840.4	2836.2	2836.2	2834.1
5°	2836.2	2838.3	2834.1	2834.1	2838.3	2844.6	2842.5	2846.7	2846.7	2844.6	2844.6
7.5°	2834.1	2838.3	2834.1	2836.2	2842.5	2855.1	2855.1	2855.1	2859.3	2863.5	2863.5
10°	2831.9	2836.2	2838.3	2840.4	2848.8	2867.7	2872.0	2874.1	2880.4	2886.7	2886.7
12.5°	2821.4	2825.6	2831.9	2840.4	2855.1	2880.4	2888.8	2895.1	2905.6	2912.0	2916.2
15°	2806.7	2808.8	2823.5	2840.4	2863.5	2895.1	2912.0	2922.5	2937.2	2945.6	2952.0
17.5°	2785.6	2787.7	2810.9	2836.2	2869.8	2914.1	2941.4	2958.3	2973.0	2985.7	2994.1
20°	2758.3	2764.6	2791.9	2831.9	2880.4	2933.0	2973.0	3002.5	3017.2	3029.9	3042.5
22.5°	2724.6	2730.9	2764.6	2821.4	2890.9	2958.3	3010.9	3048.8	3067.8	3084.6	3099.3
25°	2674.0	2682.5	2722.5	2796.2	2895.1	2985.7	3053.0	3101.5	3118.3	3139.4	3152.0
27.5°	2596.1	2602.4	2650.9	2745.6	2882.5	3015.1	3101.5	3158.3	3177.3	3200.4	3213.0
30°	2474.0	2486.6	2545.6	2663.5	2850.9	3038.3	3158.3	3215.2	3238.3	3261.5	3278.3
32.5°	2316.1	2335.0	2400.3	2551.9	2789.8	3046.7	3219.4	3284.6	3314.1	3339.4	3360.4
35°	2120.3	2139.2	2217.1	2408.7	2693.0	3029.9	3280.4	3364.6	3400.4	3434.1	3459.4
37.5°	1897.1	1913.9	2008.7	2227.7	2554.0	2977.2	3328.9	3453.1	3501.5	3545.7	3579.4
40°	1671.8	1690.7	1793.9	2027.6	2385.6	2876.2	3349.9	3549.9	3611.0	3667.8	3710.0
42.5°	1427.6	1450.7	1566.5	1815.0	2189.8	2737.2	3333.1	3644.7	3720.5	3798.4	3861.6
45°	1210.7	1214.9	1341.2	1581.3	1975.0	2558.2	3274.1	3735.2	3838.4	3947.9	4038.4
47.5°	1002.2	1010.7	1120.1	1358.1	1751.8	2356.1	3166.7	3806.8	3971.0	4112.1	4244.8
50°	816.9	827.5	926.4	1139.1	1528.6	2135.0	3021.4	3848.9	4084.7	4276.3	4461.6
52.5°	665.3	678.0	760.1	947.5	1303.3	1903.4	2842.5	3855.2	4187.9	4440.6	4686.9
55°	553.8	562.2	625.3	774.8	1086.5	1663.4	2638.2	3823.7	4255.3	4588.0	4916.4
57.5°	467.4	475.9	520.1	638.0	890.6	1417.0	2389.8	3750.0	4291.1	4716.4	5148.0
60°	406.4	412.7	444.3	528.5	732.7	1185.4	2122.4	3619.4	4280.6	4796.4	5339.6
62.5°	362.2	364.3	391.6	450.6	604.3	966.4	1821.3	3423.6	4194.2	4806.9	5470.2
65°	322.1	324.3	341.1	383.2	496.9	776.9	1507.6	3154.1	4030.0	4733.2	5489.1
67.5°	261.1	265.3	290.6	322.1	408.5	614.8	1187.5	2800.4	3773.1	4541.6	5381.8
70°	208.4	210.6	235.8	271.6	332.7	484.3	911.7	2324.5	3371.0	4230.0	5103.8
72.5°	155.8	160.0	183.2	219.0	271.6	374.8	659.0	1758.1	2695.1	3566.8	4444.8
75°	124.2	126.3	134.8	168.4	210.6	284.2	444.3	1065.4	1623.4	2206.6	2724.6
77.5°	105.3	107.4	107.4	130.5	155.8	191.6	235.8	423.2	686.4	977.0	1294.9
80°	86.3	90.5	82.1	96.9	111.6	111.6	109.5	202.1	324.3	459.0	602.2
82.5°	63.2	67.4	63.2	67.4	67.4	61.1	56.8	75.8	103.2	141.1	153.7
85°	44.2	46.3	50.5	46.3	44.2	35.8	27.4	21.1	12.6	14.7	21.1
87.5°	29.5	35.8	42.1	40.0	33.7	27.4	18.9	12.6	6.3	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212017
 CATALOG NUMBER: GKO-PB2E-827-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	2834.1	2834.1	2834.1
2.5°	2836.2	2834.1	2831.9
5°	2846.7	2844.6	2842.5
7.5°	2861.4	2861.4	2861.4
10°	2884.6	2888.8	2888.8
12.5°	2914.1	2918.3	2918.3
15°	2949.9	2952.0	2956.2
17.5°	2994.1	2996.2	2996.2
20°	3046.7	3044.6	3048.8
22.5°	3099.3	3099.3	3099.3
25°	3154.1	3154.1	3154.1
27.5°	3217.3	3217.3	3213.0
30°	3286.7	3286.7	3286.7
32.5°	3371.0	3373.1	3375.2
35°	3478.3	3482.6	3488.9
37.5°	3600.5	3611.0	3617.3
40°	3745.7	3750.0	3760.5
42.5°	3907.9	3920.5	3922.6
45°	4110.0	4131.1	4139.5
47.5°	4347.9	4377.4	4392.1
50°	4613.2	4646.9	4668.0
52.5°	4901.7	4956.4	4981.7
55°	5209.1	5303.8	5331.2
57.5°	5556.5	5684.9	5722.8
60°	5897.6	6078.7	6139.7
62.5°	6188.2	6442.9	6518.7
65°	6392.4	6699.8	6811.4
67.5°	6434.5	6798.8	6931.4
70°	6181.9	6554.5	6708.2
72.5°	5375.4	5712.3	5903.9
75°	3175.1	3417.3	3358.3
77.5°	1593.9	1663.4	1673.9
80°	699.0	741.1	758.0
82.5°	172.7	176.9	200.0
85°	23.2	27.4	25.3
87.5°	8.4	8.4	10.5
90°	0.0	0.0	0.0

(END OF REPORT)